NASA System-Wide Safety (SWS) Project
Software & Systems Verification & Validation (V&V) Capabilities Transfer Meeting

Day 1 Agenda

July 12, 2022

Session Time	Session Title and Abstract	Speaker(s)
12 PM – 12:05 PM ET	**Opening Remarks**	Bob Pearce, NASA
12:05 PM – 12:05 PM ET	**Welcome, Logistics, and On-Demand Tutorials and Resources Overview**	Joseph Coughlan, NASA Abigail Glenn-Chase, NARI
12:30 PM – 1 PM ET	**System-Wide Safety Project Overview**	Misty Davies, SWS Project Manager
1 PM – 2 PM ET	**NASA's Commercial Automated V&V Capabilities Overview, Problem Space, and Solutions**	Guillaume Brat, NASA Terry Morris, NASA
2 PM – 3 PM ET	**Automated V&V Capabilities: The FAA Perspective** **Abstract:** As aviation becomes increasingly reliant on software, software and systems V&V capabilities must evolve too. The FAA and NASA have worked together to develop tools, techniques, and processes to solve these critical and complex V&V challenges for commercial operations. Join us for an inter-agency panel to explore the technical benefits and impacts of new V&V capabilities and how the FAA will use NASA's data to establish new standards and guidance.	**Moderator:** Natasha Neogi, NASA **Panelists:** Natesh Manikoth, FAA George Romanski, FAA Stephen Van Trees, FAA
3 PM – 4 PM ET	**Automated V&V Capabilities: Government Peers Perspectives** **Abstract:** The FAA and NASA are not the only government entities focused on improving and streamlining software and systems V&V techniques and processes and improving tech transfer approaches with diverse stakeholders. NASA is collaborating across the federal government to better understand what other organizations are doing in this space and how they are measuring impact while ensuring safety. Join us for this important conversation and learn more about how different agencies are leveraging new capabilities.	**Moderator:** Guillaume Brat, NASA **Panelists:** Rick Kuhn, NIST Brad Martin, DARPA Dujuan Sevillian, NTSB Laura Humphrey, AFRL
4 PM – 4:15 PM ET	**Day 1 Q&A and Closing**	

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Day 2 Agenda

July 13, 2022

Session Start Time	Session Title and Abstract	Speaker(s)
11:55 AM – 12 PM ET	**Welcome and Logistics**	Joseph Coughlan, NASA Abigail Glenn-Chase, NARI
12:00 PM – 12:15 PM ET	**Opening Remarks**	Cheryl Quinn, NASA
12:15 PM – 1:15 PM ET	**Automated V&V Capabilities: Academic Perspectives** **Abstract:** As workforce development becomes more of a hot button issue in aviation and aerospace, universities and research centers play a key role in the V&V field, not only on the training front but on the actual R&D side as well. Join us for this session and learn how our academic partners are contributing, using, and teaching about V&V capabilities to educate the workforce of the future and empower American industry.	**Moderator:** Terry Morris, NASA **Panelists:** Cody Fleming, Iowa State University Karen Feigh, Georgia Tech John-Paul Clarke, The University of Texas at Austin Pete Manolios, Northeastern University
1:15 PM – 2:15 PM ET	**Automated V&V Capabilities: Industry Perspectives** **Abstract:** As the beneficiary of NASA-developed V&V capabilities, the American aviation and aerospace industry is one of NASA's most important stakeholders. Both conventional systems and emergent technology benefit from NASA's taxpayer-funded V&V capabilities. These capabilities ensure that American aerospace companies can maximize their competitive edge by spending less time and money on costly V&V processes, all while maintaining and enhancing safety in the world's most complex airspace system. Join industry representatives to explore how new capabilities are changing the game in the V&V realm.	**Moderator:** Paul Miner, NASA **Panelists:** Janet Liu, Collins Aerospace Tim Wang, Raytheon Technologies Research Center Mike Durling, GE Amalaye Oyake, Blue Origin

2:15 PM – 3:15 PM ET	**Future Challenges and Solutions: A Look Forward to Complex Autonomous Systems Assurance** **Abstract:** The NASA System-wide Safety (SWS) Project team is looking forward and collaborating with NASA stakeholders to develop a preliminary certification process for autonomous aerospace systems. Join us for this final session to learn more about our vision, goals, and plans for the next technical challenge!	**Moderator:** Misty Davies, NASA **Panelists:** Darren Cofer, Collins Aerospace Huafeng Yu, Boeing Maxime Gariel, XWing
3:15 PM – 3:30 PM ET	**Final Q&A and Adjourn**	